

Form PTO-1449  
(REV. 2-32)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
5562-966SERIAL NO.  
09/679,353INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

APPLICANT

Wayne Ernest Conrad et al.

(Use several sheets if necessary)

FILING DATE  
Oct/5/00GROUP  
1744

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
TIS	RE32,257	10/07/86	Dyson	15	335	
TIS	450,372	4/14/1891	Morse	55	424	
TIS	883,413	03/31/08	Mahony	15	323	
TIS	1,023,082	04/09/12	Kluge	55	345	
TIS	1,127,896	02/09/15	Keller	55	325	
TIS	1,369,939	03/01/21	Shaffer	110	300	
TIS	1,752,231	03/25/30	Clarkson	55	410	
TIS	1,798,510	03/31/31	Winslow et al	55	426	
TIS	1,826,798	10/13/31	Lee	15	351	
TIS	1,897,144	02/14/33	Prouty	209	712	
TIS	2,014,287	10/10/35	Newman	55	429	
TIS	2,143,421	01/10/39	Loehr et al.	55	424	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TIS	54,488	05/21/85	Canada				
TIS	2,104,136	06/24/94	Canada				
TIS	2,156,069	06/20/96	Canada				
TIS	WO 96/19293	27/06/96	PCT				
TIS	WO 96/19294	27/06/96	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER:

B. Snider

DATE CONSIDERED:

4/18/01

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Form PTO-1449 (REV. 2-32)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 5562-966		SERIAL NO. 09/679,353	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICANT Wayne Ernest Conrad et al.			
(Use several sheets if necessary)				FILING DATE Oct/5/00		GROUP 1744	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE	
TIS	2,171,248	09/29/39	Van Berkel	55	392		
TIS	2,392,872	01/15/46	Wolfe	55	345		
TIS	2,397,872	04/02/46	Kovacs	227	149		
TIS	2,397,980	04/09/46	Petri	55	426		
TIS	2,402,845	06/25/46	Rodman	55	345		
TIS	2,405,625	08/13/46	Whiton et al.	55	323		
TIS	2,608,268	08/26/52	Gerber	55	317		
TIS	2,681,124	06/15/54	Van der Kolk	55	398		
TIS	2,822,060	02/04/58	Udovich	55	459.1		
TIS	2,993,223	07/25/61	Krammes	15	320		
TIS	3,200,568	08/17/65	McNeil	96	195		
TIS	3,235,090	02/15/66	Bose et al.	210	512.1		
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
TIS	WO 96/19936	04/07/96	PCT				
TIS	WO 96/19937	04/07/96	PCT				
TIS	WO 96/21389	18/07/96	PCT				
TIS	WO 96/22726	01/08/96	PCT				
TIS	WO 98/02080	22/01/98	PCT				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
EXAMINER: <i>S. Snider</i>				DATE CONSIDERED: <i>4/18/01</i>			
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EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
TIS	3,283,480	11/08/66	Szego	55	340	
TIS	3,320,727	05/23/67	Farley et al.	55	337	
TIS	3,425,192	02/04/69	Davis	55	345	
TIS	3,501,014	03/17/70	Fitch, Jr. et al.	210	512.1	
TIS	3,535,854	10/27/70	Taylor	55	338	
TIS	3,853,518	12/10/74	Tu et al.	55	337	
TIS	3,877,902	04/15/75	Eriksson et al.	55	337	
TIS	3,925,045	12/09/75	Cheng	55	345	
TIS	3,955,236	05/11/76	Mekelburg	15	314	
TIS	4,005,998	02/01/77	Gorman	95	219	
TIS	4,141,698	02/27/79	Kihlstedt et al.	95	69	
TIS	4,162,149	07/24/79	Mekelburg	55	315	

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TIS	WO 98/10691	19/03/98	PCT				
TIS	WO 98/23381	04/06/98	PCT				
TIS	WO 98/27857	02/07/98	PCT				
TIS	WO 98/33424	06/08/98	PCT				
TIS	762,070	28/12/50	Britain				

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## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
<del>TTS</del>	4,198,290	04/15/80	Summers	209	710	
<del>TTS</del>	4,251,368	02/17/81	Colman et al.	210	788	
<del>TTS</del>	4,268,288	05/19/81	Coombs	55	537	
<del>TTS</del>	4,326,862	04/27/82	Suzuki	96	18	
<del>TTS</del>	4,345,572	08/24/82	Suzuki et al.	123	568.11	
<del>TTS</del>	4,352,681	10/05/82	Dietz	96	61	
<del>TTS</del>	4,373,228	02/15/83	Dyson	15	350	
<del>TTS</del>	4,377,882	03/29/83	Dyson	15	335	
<del>TTS</del>	4,390,426	06/28/83	Vicard	210	243	
<del>TTS</del>	4,398,928	08/16/83	Kunsagi	96	27	
<del>TTS</del>	4,443,234	04/17/84	Carlsson	96	57	
<del>TTS</del>	4,571,772	02/25/86	Dyson	15	335	

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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<del>TTS</del>	52195	21/09/36	Denmark DK				
<del>TTS</del>	69708	08/01/49	Denmark DK				
<del>TTS</del>	148023	1961	U.S.S.R. SU				
<del>TTS</del>	1042812	1983	U.S.S.R. SU				
<del>TTS</del>	0836 827	04/1998	European Pat.				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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TLS	4,573,236	03/04/86	Dyson	15	333	
TLS	4,588,423	05/13/86	Gillingham et al.	96	43	
TLS	4,593,429	06/10/86	Dyson	15	353	
TLS	4,643,748	02/17/87	Dyson	55	338	
TLS	4,756,729	07/12/88	Brunnmair et al.	55	391	
TLS	4,826,515	05/02/89	Dyson	55	345	
TLS	4,853,008	08/01/89	Dyson	55	345	
TLS	4,853,011	08/01/89	Dyson	55	345	
TLS	5,062,870	11/05/91	Dyson	96	400	
TLS	5,078,761	01/07/92	Dyson	96	400	
TLS	5,090,976	02/25/92	Dyson	55	337	
TLS	5,101,532	04/07/92	Dyson et al.	15	320	

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B. J. J. J.

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TIS	5,145,499	09/08/92	Dyson	55	337	
TIS	5,160,356	11/03/92	Dyson	55	345	
TIS	5,267,371	12/07/93	Soler et al.	15	327.5	
TIS	5,350,432	09/27/94	Lee	55	408	
TIS	5,558,697	09/24/96	Dyson et al.	95	12	
TIS	5,591,253	01/07/97	Altman et al.	96	61	
TIS	5,755,007	05/26/98	Dyson	15	327.5	
TIS	D305,269	12/26/89	Dyson	D32	22	
TIS	D343,707	01/25/94	Dyson	D32	22	
TIS	D382,679	08/19/97	Dyson	D32	21	

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EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
TIS	1,759,947	1-1924	Lee	15	351	
TIS	1,937,765	Dec/5/33	Leathers	15	456 410	Oct/15/30
TIS	2,267,764	Dec/30/41	Taylor	15	16 410	Jul/23/38
TIS	2,300,266	Oct/27/42	Smellie	15	16 326	May/11/39
TIS	2,595,752	May/6/52	Batts	248	224.8	Mar/12/48
TIS	2,672,642	1-2000	Tamarin et al.	15	323	
TIS	3,675,268	7-1972	Nordeen	15	350	
TIS	4,665,582	5-1987	Richmond et al.	15	351	
TIS	4,905,341	3-1990	Sunagawa et al.	15	351	
US	5,564,160	10-1996	Luebbering	15	351	
TIS	5,584,095	Dec/17/96	Redding et al.	15	411	Jun/28/94
TIS	5,840,103	11-1998	Dyson	55	337	
TIS	5,935,279	8-1999	Kilström	15	353	
TIS	6,003,196	12-1999	Wright et al.	15	353	
TIS	6,012,200	1-2000	Murphy et al.	15	352	
TIS	6,083,292	7-2000	Fumagalli	55	337	
TIS	D197,459	2-1964	Jepson et al.	15	351	

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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TIS	EP 0 815 788	Jan/7/98	Europe	A47L	9/16	X	
TIS	EP 0 839 489	May/6/98	Europe	A47L	9/00		X
TIS	WO 95/16382	Jun/22/95		A47L	9/00	X	
TIS	FR 1 094 603	May/23/55	France	6	19		X

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